

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	335757	loop	USPAT	OR	OFF	2004/06/22 13:19
S2	146794	reactor	USPAT	OR	OFF	2004/06/22 13:19
S3	2424	S1 near3 S2	USPAT	OR	OFF	2004/06/22 13:18
S4	1189926	agitator impeller blades impellers motor motors pump pumps bladed stirring stirrer	USPAT	OR	OFF	2004/06/22 13:20
S5	664	S3 same S4	USPAT	OR	OFF	2004/06/22 13:19
S6	160498	vane vanes vaned baffle baffles baffled fin fins finned	USPAT	OR	OFF	2004/06/22 13:20
S7	41	S3 same S6	USPAT	OR	OFF	2004/06/22 13:19
S8	479556	loop	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/06/22 13:20
S9	218093	reactor	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/06/22 13:20
S10	2283540	agitator impeller blades impellers motor motors pump pumps bladed stirring stirrer	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/06/22 13:37
S11	245158	vane vanes vaned baffle baffles baffled fin fins finned	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/06/22 13:20
S12	3165	S8 near3 S9	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/06/22 13:20
S13	2246	S10 and S12	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/06/22 13:20
S14	352	S11 and S12	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/06/22 13:20
S15	294	S13 and S14	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/06/22 13:20
S16	256090	polymerization polymerize	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/06/22 13:20
S17	83	S15 and S16	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/06/22 13:26
S18	182870	slurry	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/06/22 13:26

S19	7304	S16 with S18	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/06/22 13:26
S20	743	S12 and S19	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/06/22 13:26
S21	838	S12 same S10	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/06/22 13:27
S22	49	S12 same S11	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/06/22 13:27
S23	133	S20 and S21	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/06/22 13:27
S24	1	S20 and S22	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/06/22 13:27
S25	117	S23 not S17	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/06/22 13:27
S26	1303413	angle angled	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/06/22 13:37
S27	17423	S10 near2 S26	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/06/22 13:38
S28	2	S12 and S27	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/06/22 13:38
S29	1491125	titanium aluminum steel	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/06/22 13:39
S30	73	S25 and S29	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/06/22 13:39
S31	51864	S10 with S29	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/06/22 13:39
S32	220	S12 and S31	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/06/22 13:40
S33	149	S18 and S32	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/06/22 13:40
S34	139392	olefin olefins	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/06/22 13:40

S35	128	S33 and S34	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/06/22 13:44
S36	569	kendrick.in.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/06/22 13:44
S37	42	hottovy.in.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/06/22 13:45
S38	6	S29 and S37	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/06/22 13:45
S39	1	("6239235").PN.	USPAT; USOCR	OR	OFF	2004/06/22 15:25
S40	1	("6204344").PN.	USPAT; USOCR	OR	OFF	2004/06/22 15:49
S41	0	("impellerbladebladedbladesagitator").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2004/06/22 15:49
S42	446123	impeller blade bladed blades agitator	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/06/22 15:50
S43	25774	bulge	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/06/22 15:50
S44	348	S42 with S43	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/06/22 15:50
S45	777434	curve curved	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/06/22 15:50
S46	136	S44 and S45	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/06/22 15:50
S47	250285	polymerization	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/06/22 15:50
S48	6	S46 and S47	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/06/22 15:52
S49	208	mixed adj pump	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/06/22 15:52
S50	0	S43 with S49	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/06/22 15:52

S51	5	S42 with S49	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/06/22 15:52
S52	6	US-4211863-\$.DID. OR US-5183866-\$.DID. OR US-5387659-\$.DID. OR US-5565175-\$.DID. OR US-6042790-\$.DID. OR US-6239235-\$.DID.	USPAT	OR	OFF	2005/05/12 18:48
S53	5	((("5575979") or ("4613484") or ("3565588") or ("4740550") or ("3324093")).PN.	USPAT; USOCR	OR	OFF	2004/06/12 17:19
S54	2	((("6319997") or ("6281300")).PN.	USPAT; USOCR	OR	OFF	2004/06/14 10:15
S55	334872	loop	USPAT	OR	OFF	2004/06/14 10:21
S56	146591	reactor	USPAT	OR	OFF	2004/06/14 10:21
S57	11913	loop near3 "4"	USPAT	OR	OFF	2004/06/14 16:34
S58	160966	agitator impeller blades	USPAT	OR	OFF	2004/06/22 13:18
S59	37501	vanes	USPAT	OR	OFF	2004/06/14 10:17
S60	18	(loop near3 "4") with (agitator impeller blades )	USPAT	OR	OFF	2004/06/14 10:17
S61	35	(loop near3 "4") same (agitator impeller blades )	USPAT	OR	OFF	2004/06/14 10:17
S62	377	(loop near3 "4") and (agitator impeller blades )	USPAT	OR	OFF	2004/06/14 10:18
S63	158648	polymerization	USPAT	OR	OFF	2004/06/14 10:21
S64	19	((loop near3 "4") and (agitator impeller blades )) and polymerization	USPAT	OR	OFF	2004/06/14 10:18
S65	2420	loop near3 reactor	USPAT	OR	OFF	2004/06/14 10:19
S66	44	(agitator impeller blades ) with (loop near3 reactor)	USPAT	OR	OFF	2004/06/14 10:19
S67	30	polymerization and ((agitator impeller blades ) with (loop near3 reactor))	USPAT	OR	OFF	2004/06/14 10:19
S68	74128	loop	US-PGPUB	OR	OFF	2004/06/14 10:21
S69	21831	reactor	US-PGPUB	OR	OFF	2004/06/14 10:21
S70	22482	agitator impeller blades	US-PGPUB	OR	OFF	2004/06/14 10:21
S71	32754	polymerization	US-PGPUB	OR	OFF	2004/06/14 10:21
S72	534	loop near3 reactor	US-PGPUB	OR	OFF	2004/06/14 10:21
S73	94	(agitator impeller blades ) and polymerization and (loop near3 reactor)	US-PGPUB	OR	OFF	2004/06/14 10:22

S74	45	((agitator impeller blades ) same polymerization) and (loop near3 reactor)	US-PGPUB	OR	OFF	2004/06/14 10:22
S75	2	((("6281300") or ("6319997"))).PN.	USPAT; USOCR	OR	OFF	2004/06/14 13:45
S76	2	((("20030229187") or ("6239235"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/06/14 13:46
S77	25	hottovy.in.	US-PGPUB; USPAT	OR	OFF	2004/06/14 13:47
S78	450	kendrick.in.	US-PGPUB; USPAT	OR	OFF	2004/06/14 13:48
S79	191402	polymerization	US-PGPUB; USPAT	OR	OFF	2004/06/14 13:48
S80	26	kendrick.in. and polymerization	US-PGPUB; USPAT	OR	OFF	2004/06/14 13:48
S81	11913	loop near3 "4"	USPAT	OR	OFF	2004/06/14 16:35
S82	52231	vane vanes	USPAT	OR	OFF	2004/06/14 16:34
S83	134	(loop near3 "4") and (vane vanes)	USPAT	OR	OFF	2004/06/14 16:34
S84	477517	agitator impeller blades mixer stirring	USPAT	OR	OFF	2004/06/14 16:35
S85	42	((loop near3 "4") and (vane vanes)) and (agitator impeller blades mixer stirring)	USPAT	OR	OFF	2004/06/14 16:35
S86	1151	loop near3 (agitator impeller blades mixer stirring)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/06/14 17:01
S87	237918	vane vanes baffle baffles fin fins	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/06/14 16:35
S88	394261	agitator impeller mixer bladed blades	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/06/14 16:35
S89	75	(loop near3 (agitator impeller blades mixer stirring)) and (vane vanes baffle baffles fin fins) and (agitator impeller mixer bladed blades)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/06/14 16:36
S90	255479	polymerization polymerize	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/06/14 17:13
S91	13	((loop near3 (agitator impeller blades mixer stirring)) and (vane vanes baffle baffles fin fins) and (agitator impeller mixer bladed blades)) and (polymerization polymerize)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/06/14 16:36

S92	62	((loop near3 (agitator impeller blades mixer stirring)) and (vane vanes baffle baffles fin fins) and (agitator impeller mixer bladed blades)) not (polymerization polymerize)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/06/14 16:38
S93	76	(loop near3 (agitator impeller blades mixer stirring)) and (vane vanes baffle baffles fin fins)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/06/14 16:38
S94	1	((loop near3 (agitator impeller blades mixer stirring)) and (vane vanes baffle baffles fin fins)) not ((loop near3 (agitator impeller blades mixer stirring)) and (vane vanes baffle baffles fin fins) and (agitator impeller mixer bladed blades))	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/06/14 16:38
S95	2	((("6281300") or ("6319997")).PN.	USPAT; USOCR	OR	OFF	2004/06/14 16:58
S96	33	("2285721"   "2825721"   "2915513"   "3152872"   "3293000"   "3324093"   "3625658"   "3816383"   "3858943"   "3956061"   "4007321"   "4121029"   "4199546"   "4372758"   "4395523"   "4424341"   "4461889"   "4501885"   "4589957"   "4613484"   "4632976"   "4690804"   "4737280"   "4794151"   "5183866"   "5207929"   "5292863"   "5391656"   "5455314"   "5565175"   "5575979"   "5597892"   "6239235").PN.	USPAT	OR	OFF	2004/06/14 16:38
S97	2	"6319997".URPN.	USPAT	OR	OFF	2004/06/14 16:41
S98	31	("2825721"   "2915513"   "3152872"   "3293000"   "3324093"   "3625658"   "3816383"   "3858943"   "3956061"   "4007321"   "4121029"   "4199546"   "4372758"   "4395523"   "4424341"   "4461889"   "4501885"   "4589957"   "4613484"   "4632976"   "4690804"   "4737280"   "4794151"   "5183866"   "5207929"   "5292863"   "5391656"   "5455314"   "5565175"   "5575979"   "5597892").PN.	USPAT	OR	OFF	2004/06/14 16:41
S99	2	"6281300".URPN.	USPAT	OR	OFF	2004/06/14 16:42
S100	1	("6239235").PN.	USPAT; USOCR	OR	OFF	2004/06/14 17:00
S101	62884	impeller agitator	US-PGPUB; USPAT	OR	OFF	2004/06/14 17:00

S10 2	1054199	titanium aluminum steel	US-PGPUB; USPAT	OR	OFF	2004/06/14 17:00
S10 3	3399	(impeller agitator) with (titanium aluminum steel)	US-PGPUB; USPAT	OR	OFF	2004/06/14 17:00
S10 4	1107	(polymerization polymerize) and ((impeller agitator) with (titanium aluminum steel))	US-PGPUB; USPAT	OR	OFF	2004/06/14 17:03
S10 5	3152	loop near3 reactor	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/06/14 17:01
S10 6	141	(loop near3 reactor) and (vane vanes baffle baffles fin fins) and (agitator impeller mixer bladed blades)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/06/14 17:01
S10 7	131	((loop near3 reactor) and (vane vanes baffle baffles fin fins) and (agitator impeller mixer bladed blades)) not ((loop near3 (agitator impeller blades mixer stirring)) and (vane vanes baffle baffles fin fins) and (agitator impeller mixer bladed blades))	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/06/14 17:01
S10 8	35	((((loop near3 reactor) and (vane vanes baffle baffles fin fins) and (agitator impeller mixer bladed blades)) not ((loop near3 (agitator impeller blades mixer stirring)) and (vane vanes baffle baffles fin fins) and (agitator impeller mixer bladed blades))) and (polymerization polymerize)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/06/14 17:01
S10 9	19	(loop near3 reactor) and ((impeller agitator) with (titanium aluminum steel))	US-PGPUB; USPAT	OR	OFF	2004/06/14 17:13
S11 0	106266	olefin olefins	US-PGPUB; USPAT	OR	OFF	2004/06/14 17:13
S11 1	290588	polymerization polymerize polymerized	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/06/14 17:13
S11 2	19398	(olefin olefins) with (polymerization polymerize polymerized)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/06/14 17:15
S11 3	217647	reactor	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/06/14 17:15
S11 4	11683	(titanium aluminum steel) near3 reactor	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/06/14 17:15

S11 5	1563	((olefin olefins) with (polymerization polymerize polymerized)) and ((titanium aluminum steel) near3 reactor)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/06/14 17:15
S11 6	1334137	construction	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/06/14 17:15
S11 7	85	((((olefin olefins) with (polymerization polymerize polymerized)) and ((titanium aluminum steel) near3 reactor)) and construction	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/06/14 17:16
S11 8	20	(impeller agitator) and (((olefin olefins) with (polymerization polymerize polymerized)) and ((titanium aluminum steel) near3 reactor)) and construction)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/06/14 17:16
S11 9	6	US-4211863-\$.DID. OR US-5183866-\$.DID. OR US-5387659-\$.DID. OR US-5565175-\$.DID. OR US-6042790-\$.DID. OR US-6239235-\$.DID.	USPAT	OR	OFF	2004/06/14 17:18
S12 0	2	(titanium aluminum steel) and (US-4211863-\$.DID. OR US-5183866-\$.DID. OR US-5387659-\$.DID. OR US-5565175-\$.DID. OR US-6042790-\$.DID. OR US-6239235-\$.DID. )	USPAT	OR	OFF	2004/06/14 17:18
S12 1	2288	mixed adj flow	USPAT	OR	OFF	2004/12/27 10:53
S12 2	370293	pump	USPAT	OR	OFF	2004/12/27 10:54
S12 3	96	S121 adj S122	USPAT	OR	OFF	2004/12/27 10:54
S12 4	162843	polymerization	USPAT	OR	OFF	2004/12/27 10:54
S12 5	2	S123 and S124	USPAT	OR	OFF	2004/12/27 10:54
S12 6	5	((("6204344") or ("6239235") or ("5183866") or ("5575979") or ("5565175"))).PN.	USPAT	OR	OFF	2005/05/11 14:18
S12 7	772256	radial or (mixed adj flow)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/05/12 18:19



S12 8	949538	pump impeller agitator	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/05/12 18:20
S12 9	592295	blade blades	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/05/12 18:20
S13 0	24531	S127 with S128	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/05/12 18:21
S13 1	2177	loop adj reactor	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/05/12 18:21
S13 2	10	S130 and S131	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/05/12 18:35
S13 3	4	((("6239235") or ("5183866") or ("5575979") or ("6204344")).PN.	USPAT	OR	OFF	2005/05/12 18:36
S13 4	10694	S127 and S130	USPAT	OR	OFF	2005/05/12 18:36
S13 5	0	S127 and S133	USPAT	OR	OFF	2005/05/12 18:36
S13 6	1	("4740550").PN.	USPAT	OR	OFF	2005/05/12 18:55
S13 7	4	((("6204344") or ("6239235") or ("5183866") or ("5575979")).PN.	USPAT	OR	OFF	2005/05/12 18:55
S13 8	464266	axial	USPAT	OR	OFF	2005/05/12 18:55
S13 9	1	S137 and S138	USPAT	OR	OFF	2005/05/12 18:55
S14 0	928403	radial mixed	USPAT	OR	OFF	2005/05/12 18:55
S14 1	0	S137 and S140	USPAT	OR	OFF	2005/05/12 18:56
S14 2	3	S137 not S139	USPAT	OR	OFF	2005/05/12 18:56